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=> d his nofile 11-127; d que stat 129; d his nofile 130
     (FILE 'CAPLUS' ENTERED AT 10:47:14 ON 26 NOV 2007)
           158 SEA ABB=ON PLU=ON VIDAL T?/AU
L1
              E SAINT JALMES L?/AU
L2
            47 SEA ABB=ON PLU=ON SAINT JALMES L?/AU
L3
            71 SEA ABB=ON PLU=ON ROQUES N?/AU
L4
           267 SEA ABB=ON PLU=ON (L1 OR L2 OR L3)
               E SILANES/CT
               E E3+ALL
T. 5
         18085 SEA ABB=ON PLU=ON SILANES/CT
L6
           351 SEA ABB=ON PLU=ON L5 (L) (FLUOROALKYL?/OBI OR FLUORO/OBI(2A)
               ALKYL?/OBI OR AMINOFLUOROALKYL?/OBI)
1.7
           276 SEA ABB=ON PLH=ON FLHOROALKYLSTLAN?/OBT
L8
           544 SEA ABB=ON PLU=ON L6 OR L7
L9
       596333 SEA ABB=ON PLU=ON ESTER#/OBI
      1056555 SEA ABB=ON PLU=ON AMINO?/OBI
L10
L11
             3 SEA ABB=ON PLU=ON L8 AND L9 AND L10
              D SCAN TI
L12
          1066 SEA ABB=ON PLU=ON L5 (L) ?FLUORO?/BI
L13
            19 SEA ABB=ON PLU=ON L12 AND L9 AND L10
L14
            20 SEA ABB=ON PLU=ON L11 OR L13
         18536 SEA ABB=ON PLU=ON ELIMINATION REACTION/OBI
L15
L16
             4 SEA ABB=ON PLU=ON L15 AND L12
               D SCAN TI
L17
             6 SEA ABB=ON PLU=ON L16 OR L11
              D SCAN TI
L18
       159209 SEA ABB=ON PLU=ON CARBOXYLIC ACID#/OBI
L19
        32698 SEA ABB=ON PLU=ON L18 (L) ESTER#/OBI
           16 SEA ABB=ON PLU=ON L19 AND L12
L20
             3 SEA ABB=ON PLU=ON L20 AND L10
L21
L22
            1 SEA ABB=ON PLU=ON L20 AND L15
L23
            8 SEA ABB=ON PLU=ON L21 OR L22 OR L17
L24
            4 SEA ABB=ON PLU=ON L4 AND L5
            1 SEA ABB=ON PLU=ON L24 AND L7
L25
            4 SEA ABB=ON PLU=ON (L24 OR L25)
L26
            3 SEA ABB=ON PLU=ON L26 NOT L23
L27
L28
             STR
                                             C---C
0 2 2 2 3 2 4 0 2 5
 RRT
                          PRO
 Si-0-Gl-C-F
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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 10
DEFAULT ECLEVEL IS LIMITED
GRAPH ATTRIBUTES:

VAR G1=25/22

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

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*** *MAPPINGS * * * *
NOD SYM ROL NOD SYM ROL
          PRO 20 C
PRO 21 F
RRT 11 C
RRT 12 F
11 C
                              RRT
 12 F
                              RRT
20 C
                              PRO
21 F
                              PRO
            1 SEA FILE=CASREACT SSS FUL L28 ( 1 REACTIONS)
100.0% DONE 5861 VERIFIED 1 HIT RXNS
                                                               1 DOCS
SEARCH TIME: 00.00.01
   FILE 'CASREACT, CAPLUS' ENTERED AT 12:00:42 ON 26 NOV 2007
            8 DUP REM L29 L23 (1 DUPLICATE REMOVED)
                   ANSWER '1' FROM FILE CASREACT
                   ANSWERS '2-8' FROM FILE CAPLUS
               D OUE STAT L29
=> fil casreact caplus
FILE 'CASREACT' ENTERED AT 12:01:58 ON 26 NOV 2007
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
FILE 'CAPLUS' ENTERED AT 12:01:58 ON 26 NOV 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
=> d que 130
L5 18085 SEA FILE=CAPLUS ABB=ON PLU=ON SILANES/CT
          351 SEA FILE=CAPLUS ABB=ON PLU=ON L5 (L) (FLUOROALKYL?/OBI OR
              FLUORO/OBI(2A) ALKYL?/OBI OR AMINOFLUOROALKYL?/OBI)
1.7
          276 SEA FILE=CAPLUS ABB=ON PLU=ON FLUOROALKYLSILAN?/OBI
          544 SEA FILE=CAPLUS ABB=ON PLU=ON L6 OR L7
L8
      596333 SEA FILE=CAPLUS ABB=ON PLU=ON ESTER#/OBI
L9
L9
L10
       1056555 SEA FILE=CAPLUS ABB=ON PLU=ON AMINO?/OBI
L11
      3 SEA FILE=CAPLUS ABB=ON PLU=ON L8 AND L9 AND L10
L12
         1066 SEA FILE=CAPLUS ABB=ON PLU=ON L5 (L) ?FLUORO?/BI
1.15
        18536 SEA FILE=CAPLUS ABB=ON PLU=ON ELIMINATION REACTION/OBI
L16
            4 SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND L12
L17
            6 SEA FILE=CAPLUS ABB=ON PLU=ON 1.16 OR 1.11
       159209 SEA FILE=CAPLUS ABB=ON PLU=ON CARBOXYLIC ACID#/OBI
L18
L19
        32698 SEA FILE=CAPLUS ABB=ON PLU=ON L18 (L) ESTER#/OBI
L20
          16 SEA FILE=CAPLUS ABB=ON PLU=ON L19 AND L12
L21
           3 SEA FILE=CAPLUS ABB=ON PLU=ON L20 AND L10
L22
            1 SEA FILE=CAPLUS ABB=ON PLU=ON L20 AND L15
L23
            8 SEA FILE=CAPLUS ABB=ON PLU=ON L21 OR L22 OR L17
T.28
             STR
                                            C==0 N C
622 23 24 625
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VAR G1=25/22

Si __O__G1__C__F

RRT

PRO

NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM MLEVEL IS CLASS AT 10 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

****MAPPINGS***

NOD SYM ROL NOD SYM 11 C PRO 20 C RRT PRO 12 F 21 F RRT RRT 11 C RRT 12 F 20 C PRO 21 F PRO

L29 L30 1 SEA FILE=CASREACT SSS FUL L28 (1 REACTIONS)
8 DUP REM L29 L23 (1 DUPLICATE REMOVED)

=> d .ca fhit 130 1; d .ca 130 208

L30 ANSWER 1 OF 8 CASREACT COPYRIGHT 2007 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 143:7826 CASREACT Full-text<<LOGINID::20071126>> TITLE: Process for synthesis of (fluoroalkyl)silanes from

esters or aminoalkyl silvl ethers using base

INVENTOR(S): Vidal, Thierry; Roques, Nicolas; Saint Jalmes, Laurent PATENT ASSIGNEE(S): Rhodia Chimie, Fr.

Fr. Demande, 19 pp. SOURCE: CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAI	TENT I	NO.		KI	ND	DATE			Al	PPLI	CATI	N NC	0.	DATE			
FR	2862	972		A	1	2005			F	R 20	03-1	4002		2003	1128		
FR	2862	972		В	1	2006	0217										
CA	2546	997		A.	1	2005	0616		C	A 20	04-2	5469	97	2004	1129		
WO	2005	0542	55	A:	2	2005	0616		W	20	04-F	R305	3	2004	1129		
WO	2005	0542	55	A.	3	2005	0909										
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
		AZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IS,	IT,	LU,	MC,	NL,	PL,	PT,	RO,
		SE,	SI,	SK,	TR,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,
		ΝE,	SN,	TD,	TG												
EΡ	1687	316		A:	2	2006	0809		E	P 20	04 - 8	0557	9	2004	1129		
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
		IE,	SI,	FΙ,		CY,											
	1898													2004			
JΡ	2007	5122	96	T		2007	0517		JI	P 20	06-5	4054	7	2004	1129		

IN 2006CN01858 A 20070608 IN 2006-CN1858 20060526 PRIORITY APPLN. INFO .: FR 2003-14002 20031128 WO 2004-FR3053 20041129

OTHER SOURCE(S): MARPAT 143:7826

The present invention aims at a process of obtaining a fluorinated and silvl derivative Rf-D (e.g. Me3SiCF3) from Rf-Y-O-D (D = silyl; Y = -C(O)-, -CR'(NR2)- (HNR2 is a secondary amine, possibly cyclic (at most 10 C atoms); R' = H, aliphatic or aromatic radical with at most 10 C atoms); addnl. details are disclosed; e.g. Me3SiO2CCF3) and a base (e.g. KO2CCF3) in DMF. Four examples are given; in one example, 33 % of the 66 % of Me3SiO2CCF3 consumed was converted to Me3SiCF3.

RX(1) OF 1 A ===> B

RX(1) RCT A 400-53-3

RGT C 2923-16-2 Acetic acid, 2,2,2-trifluoro-, potassium salt (1:1)

PRO B 81290-20-2

SOL 68-12-2 DMF

CON 3 hours, 20 deg C -> 140 deg C

NTE optimization study(optimized on reagent)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1155564 CAPLUS Full-text<<LOGINID::20071126>>

DOCUMENT NUMBER: 143:423089

TITLE: Preparation of organic additive-treated, pyrogenic

silica-encapsulated titanium dioxide particles for improving the loading into plastics

INVENTOR(S): Birmingham, John Nicholas; De. La Veaux Stephan

Claude; Hsu, Yunghsing Samson

PATENT ASSIGNEE(S): USA

SOURCE : U.S. Pat. Appl. Publ., 20 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

DATE APPLICATION NO. PATENT NO. KIND DATE US 2005239921 A1 20051027 US 2004-993456 20041119 AU 2005201697 A1 20051110 AU 2005-201697 20050421 CA 2505084 A1 20051027 CA 2005-2505084 20050422

	EP	1591	490			A2		2005	1102		EP :	2005-1	9021			2	0050	425
	EP	1591	490			A3		2006	0201									
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	, IT,	LI,	LU,	NL,	SE,	MC,	PT,
			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL	, TR,	BG,	CZ,	EE,	HU,	PL,	SK,
			BA,	HR,	IS,	YU												
	JP	2005	3147	01		A		2005	1110		JP :	2005-	1281	90		2	0050	426
	KR	2006	0562	19		A		2006	0524		KR :	2005-	3510	4		2	0050	427
PRIO	RIT	APP	LN.	INFO	.:						US :	2004-	5657	73P	1	P 2	0040	427
											US :	2004-	9934	56		A 2	0041	119

OTHER SOURCE(S): MARPAT 143:423089

Entered STN: 28 Oct 2005 ED

AB

The invention provides a composition comprising a titanium dioxide particle having on the surface of said particle a substantially encapsulating layer comprising a pyrogenically-deposited metal oxide; said substantially encapsulating layer having on its surface at least one organic surface treatment material selected from an organo-silane, an organo-siloxane, a fluoro-silane, an organo-phosphonate, an organo-acid phosphate, an organopyrophosphate, an organo-polyphosphate, an organo-metaphosphate, an organophosphinate, an organo-sulfonic compound, a hydrocarbon-based carboxylic acid, an associated ester of a hydrocarbon-based carboxylic acid, a derivative of a hydrocarbon-based carboxylic acid, a hydrocarbon-based amide, a low mol. weight hydrocarbon wax, a low mol. weight polyolefin, a copolymer of a low mol. weight polyolefin, a hydrocarbon-based polyol, a derivative of a hydrocarbon-based polyol, an alkanolamine, a derivative of an alkanolamine, an organic dispersing agent, or a mixture thereof. This encapsulation and surface treatment improves the loading properties of titanium dioxide in plastics.

TC ICM C08K009-10 ICS C08K003-18

INCL 523210000; 524430000

CC

37-6 (Plastics Manufacture and Processing) ST titania loading enhancement plastic; alkanolamine treatment titania filler plastic; polyol treatment titania filler plastic; polyolefin treatment titania filler plastic; hydrocarbon wax treatment titania filler plastic; amide treatment titania filler plastic; ester treatment titania filler plastic; carboxylic acid treatment titania filler plastic; sulfonic compd treatment titania filler plastic; phosphinate treatment titania filler plastic; metaphosphate treatment titania filler plastic; polyphosphate treatment titania filler plastic; pyrophosphate treatment titania filler plastic; phosphate treatment titania filler plastic; phosphonate treatment titania filler plastic; fluorosilane treatment titania filler plastic; siloxane treatment titania filler plastic; silane treatment titania filler plastic; metal oxide treatment titania filler plastic

Alcohols, uses

RL: MOA (Modifier or additive use); USES (Uses)

(amino, organic additive; preparation of organic additive-treated, pyrogenic metal oxide-encapsulated titanium dioxide particles for improving loading properties into plastics and rubbers)

Carboxvlic acids, uses

RL: MOA (Modifier or additive use); USES (Uses)

(esters, organic additive; preparation of organic additive-treated, pyrogenic metal oxide-encapsulated titanium dioxide particles for improving loading properties into plastics and rubbers)

RL: MOA (Modifier or additive use); USES (Uses)

(fluoro, organic additive; preparation of organic additive-treated, pyrogenic metal oxide-encapsulated titanium dioxide particles for improving loading properties into plastics and rubbers)

Jennifer Cho 10/580,787 L30 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2005:649378 CAPLUS Full-text<<LOGINID::20071126>> DOCUMENT NUMBER: 144:292829 TITLE: Synthesis and structure of a 2,4-unsubstituted cis/trans-1,3-disilacyclobutane by dehydrofluorination of a highly hindered fluorosilane AUTHOR(S): Pietschnig, Rudolf; Spirk, Stefan; Belaj, Ferdinand; Merz, Klaus CORPORATE SOURCE: Institut fuer Chemie, Karl-Franzens-Universitaet Graz, Graz, 8010, Austria European Journal of Inorganic Chemistry (2005), (11), SOURCE: 2151-2155 CODEN: EJICFO: ISSN: 1434-1948 PUBLISHER . Wiley-VCH Verlag GmbH & Co. KGaA Journal DOCUMENT TYPE: LANGUAGE: English OTHER SOURCE(S): CASREACT 144:292829 Entered STN: 26 Jul 2005 ED AB 1,3-Disilacyclobutane bearing steric protective substituents at silicon, were prepared by lithiation and cyclization of Me fluorosilane precursor. Reaction of (Tip)tBuSiF2 (1) with MeLi gave (Tip)tBuMeSiF (2, Tip = 2,4,6triisopropylphenyl); dehydrofluorination of 2 by reaction with tBuLi gave cisand trans-isomers of 1,3-Tip2-1,3-tBu2-1,3-disilacyclobutane (3, 1:1 cis:trans ratio) as a tentative result of [2+2] cycloaddn. of the intermediate silene. Crystal structures of 2 and cis-5 are reported. A C-unsubstituted disilacyclobutane is corroborated by their crystal structures; transient intermediate - either the silene or the corresponding silenoid - is generated in a metalation/elimination sequence at low temps., and this intermediate dimerizes to give the corresponding 1,3-disilacyclobutane exclusively, even in the presence of a trapping agent. The significant steric hindrance in the starting fluorosilane and the final 1,3-disilacyclobutane is corroborated by their crystal structures. 29-6 (Organometallic and Organometalloidal Compounds) Section cross-reference(s): 28, 75 Silanes RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (cyclic; preparation of sterically protected 1,3-disilacyclobutanes by dehydrofluorination of Eluoro-methylsilanes with subsequent cvclization) Silanes RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (fluoro; preparation of sterically protected 1.3disilacyclobutanes by dehydrofluorination of fluoro -methylsilanes with subsequent cyclization) Cyclization TT Elimination reaction (preparation of sterically protected 1,3-disilacyclobutanes by dehydrofluorination of fluoro-methylsilanes with subsequent

cvclization)

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2004:596026 CAPLUS Full-text<<LOGINID::20071126>>

DOCUMENT NUMBER: 141:260803

TITLE: Crystal structure of a Dewar benzene derivative formed

from fluoro(triisopropylsilyl)acetylene

Hanamoto, Takeshi; Koga, Yukinori; Kawanami, Toshio; AUTHOR(S):

Furuno, Hiroshi; Inanaga, Junji

CORPORATE SOURCE: Department of Chemistry and Applied Chemistry, Saga

University, Saga, 840-802, Japan

SOURCE: Angewandte Chemie, International Edition (2004),

43(27), 3582-3584

CODEN: ACIEF5; ISSN: 1433-7851

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 141:260803

ED Entered STN: 27 Jul 2004

AB Spontaneous cyclotrimerization of fluoro(triisopropylsilyl)acetylene, prepared

from 1,1-difluoroethylene in one step, gives the corresponding fluorinated Dewar benzene derivative Elimination of HF from 1,1-difluoroethylene with subsequent deprotonation was achieved by reaction with sec-BuLi at -70°; silylation of the lithium fluoroacetylide gave FC.tplbond.CSiiFr3 (1), stable in solution at 25°. Structure of 1 was confirmed by its reaction with CH2N2, affording 3-fluoro-5-triisopropylsily1-lH-pyrazole (2). Compound 1 undergoes spontaneous trimerization in hexame solution upon prolonged standing, affording Dewar benzene derivative, 1,3,4-trifluoro-2,5,6-

tris(triisopropylsily1)bicyclo[2.2.0]hexa-2,5-diene (3), which was

structurally characterized by x-ray crystallog.

CC 29-6 (Organometallic and Organometalloidal Compounds)

Section cross-reference(s): 24, 75

IT Elimination reaction Silvlation

(preparation of (fluoroethynyl)silane and its cyclotrimerization to give bicyclo[2.2.0]hexa-2,5-diene (Dewar benzene) tris-silyl trifluoro

derivative)

IT Silanes

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of bicyclo[2.2.0]hexa-2,5-diene (Dewar benzene) tris-silyl trifluoro derivative by cyclotrimerization of (

fluoroethynyl)silane)

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:867937 CAPLUS Full-text<<LOGINID::20071126>>

DOCUMENT NUMBER: 139:354156
TITLE: Water-in-oil makeup emulsions

INVENTOR(S): Simonnet, Jean-Thierry; Verloo, Aurore; Ozee,

Emmanuelle
PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	TENT :	NO.			KINI)	DATE			APPL	ICAT	ION I	NO.		D	ATE	
						-									-		
EP	1358	870			A1		2003	1105	EP 2003-290847						20030404		
EP 1358870					B1		2006	0614									
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
		IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK	
FR	2839	259			A1		2003	1107		FR 2	2002-	5512			2	0020	502
FR	2839	259			В1		2006	0224									
AT	3295	68			T		2006	0715		AT 2	2003-	2908	47		2	0030	404

			Jennifer Cho	10/5	580,787		
	ES 2266745 JP 2003321345 JP 3950078	T3 A B2	20070301 20031111 20070725		2003-329084 2003-126655	7	20030404 20030501
	US 2004009131 US 2005031560	A1 A9	20040115	US	2003-426630		20030501
	RITY APPLN. INFO.:				2002-5512 2002-393115E		20020502 20020703
ED AB	Entered STN: 06 Nov Cosmetic makeup emul phase, an alkyl C8-2 hydrophobic substanc cyclohexasiloxane 33 stearoyl glutamate 7 Hectorite 0.7, and A NaCl 0.5, preservati give a cosmetic foun	sions 2 dime es. T , Abil , TiO2 erosil ve qs	thicone copo hus, a formu EM-90 4, ir encapsulate R972 0.6 g; and water qs	lyc lat on d i an	1 (5%), and ion in the o oxides encap n disodium s aqueous pha	pigments ily phas sulated tearoyl se compr	encapsulated in e contained in disodium glutamate, ised glycerol 3,
IC	ICM A61K007-48 ICS A61K007-42; A61E	K007-06	6; A61K007-0	2			
CC	62-4 (Essential Oils Amino acids, biologic RL: COS (Cosmetic use (acyl; water-in-oi	cal stu e); BIG	udies OL (Biologica		study); USES	(Uses)	
IT	Lanolin RL: COS (Cosmetic use (esters; water-in-					(Uses)	
IT	Phosphates, biologica Silanes Silazanes RL: COS (Cosmetic use	al stud	dies			(IIcae)	
IT	(fluoroalkyl; wate Amino acids, biologic Canola oil Castor oil Corn oil Cottonseed oil Fatty acids, biologic Fluoropolymers, biologic Fluoropolymers, biological Hydrocarbon oils Jojoba oil Lecithins Mica-group minerals, Olive oil Oxides (inorganic), i Palm oil Paraffin oils Petrolatum Polyamides, biologica Polyesters, biologica Polysiloxanes, biologica Soaps Soybean oil Sunflower oil RL: COS (Cosmetic use (water-in-oil make	er-in-cal studies biologo cal studies cal	oil makeup en udies studies studies s gical studies dies dies dies studies dies studies dies dies studies dies dies dies dies dies dies dies	nul:	study); USES	(Uses)	noid.
IT	57-10-3, Palmitic aci biological studies	57-11-	-4D, Stearic	ac:	id, esters	60-33-3,	

LinOleic acid, biological studies 110-27-0, Isopropyl myristate 111-01-3, Perhydrosqualene 112-80-1, Oleic acid, biological studies

112-80-1D, Oleic acid, esters 112-85-6, Behenic acid

Jennifer Cho 10/580,787 112-92-5, Stearvl alcohol 123-95-5, Butvl stearate 142-82-5, Heptane,

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biological studies 142-91-6, Isopropyl palmitate 143-07-7D, Lauric
     acid, esters 143-28-2, Oleyl alcohol 428-59-1,
     Hexafluoropropylene oxide 463-40-1, Linolenic acid 471-34-1, Calcium
     carbonate, biological studies 506-43-4, LinOleyl alcohol 506-44-5,
    LinOlenyl alcohol 540-84-1, Isooctane 541-02-6,
Decamethylcyclopentasiloxane 544-63-8, Myristic acid, biological studies
     546-93-0, Magnesium carbonate 556-67-2, Octamethylcyclotetrasiloxane
     1309-37-1, Iron oxide, biological studies 1873-90-1,
     Heptamethylhexyltrisiloxane 2090-64-4, Magnesium hydrogen carbonate
     2915-57-3 6938-94-9, DiIsopropyl adipate 7631-86-9, Silica, biological
     studies 7787-59-9, Bismuth oxychloride 9002-84-0, Teflon 9002-88-4,
     Polyethylene 9005-25-8, Starch, biological studies 9016-00-6,
     Polydimethyl siloxane 10043-11-5, Boron nitride, biological studies
     10101-66-3, Manganese violet 12240-15-2, Prussian blue 14807-96-6,
     Talc, biological studies 17955-88-3, Heptamethyloctyltrisiloxane
     22766-83-2, 2-Octvldodecvl myristate 26942-95-0, Glycervl triisostearate
     27458-93-1, IsoStearyl alcohol 29806-73-3, 2-Ethylhexyl palmitate
     30399-84-9, Isostearic acid 31807-55-3, Isododecane 31900-57-9,
     Polydimethyl siloxane 34316-64-8, Hexyl laurate 34362-27-1,
     2-Hexyldecyl laurate 34464-38-5, Isodecane 34513-50-3, Octyldodecanol
     36653-82-4, Cetanol 38079-62-8, Disodium stearoyl glutamate
     42131-25-9, Isononvl isononanoate 57455-37-5, Ultramarine blue
     57568-20-4, 2-Octyldodecyl lactate 60908-77-2, Isohexadecane
     61417-49-0 81230-05-9, Diisostearyl malate 83138-62-9, Polyglyceryl
     isostearate 110734-66-2, Abil WE 09 120486-24-0, DiGlyceryl
     triisostearate
                     134112-33-7, 2-Octyldecyl palmitate 145686-34-6, Cetyl
     Dimethicone copolvol
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (water-in-oil makeup emulsions)
REFERENCE COUNT:
                         5
                              THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
                              RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
L30 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:
                        2000:426658 CAPLUS Full-text<<LOGINID::20071126>>
DOCUMENT NUMBER:
                        133:251951
TITLE:
                        Trifluoroacetylation and ionic hydrogenation of
                        [2-(3-alkoxythienyl)]di(1-adamantyl)methanols
AUTHOR(S):
                        Lomas, John S.; Vauthier, Edouard; Vaissermann,
                        Jacqueline
CORPORATE SOURCE:
                        Universite de Paris 7, Associe au C.N.R.S., Institut
                        de Topologie et de Dynamique des Systemes, Paris,
                        75005, Fr.
SOURCE:
                        Perkin 2 (2000), (7), 1399-1408
                        CODEN: PRKTFO: ISSN: 1470-1820
PUBLISHER:
                        Royal Society of Chemistry
DOCUMENT TYPE:
                        Journal
LANGUAGE:
                        English
ED Entered STN: 27 Jun 2000
AB Lithiation of 3-alkoxythiophenes followed by reaction with di(1-adamantyl)
     ketone leads to anti-[2-(3-alkoxythienyl)]di(1-adamantyl)methanols where the
     C-OH proton is intramolecularly hydrogen-bonded to the alkoxy group. The
     structure of the 3-methoxy derivative was confirmed by a single crystal X-ray
     diffraction study. Reaction of this alc. with trifluoroacetic acid (TFA) and
     trifluoroacetic anhydride (TFAA) in dichloromethane gives a trifluoroacetate,
     the initially formed carbocation undergoing an intramol. 1,5-hydride shift to
     give a carboxonium ion. However, in the absence of anhydride,
     trifluoroacetate is formed to the extent of about 15% only. Ionic
     hydrogenation with TFA and an organosilane in dichloromethane gives syn- and
```

anti-[2-(3-methoxythienyl)]diadamantylmethanes by reduction of the

carbocation, with a preference for the isomer with the Ad2CH hydrogen close to methoxy. The corresponding 3-ethoxy compound behaves quite differently: in TFA-dichloromethane a trifluoroacetate is formed which then eliminates acetaldehyde to give anti-[2-(3- hydroxythienyl)]diadamantylmethane. In the presence of an organosilane syn- and anti-[2-(3ethoxythienyl)]diadamantylmethanes are formed together with the 3-hydroxy derivative Isotope labeling expts. show that the anti deoxygenation product is obtained by reduction of both the carbocation and the carboxonium ion. The 3-isopropoxy derivative reacts sluggishly with TFA and, with an organosilane, tends to give preferentially the less stable, syn deoxygenation product. The activation energies for syn to anti rotation in the [2-(3alkoxythienyl) | diadamantylmethanes indicate significant differences in the steric effects of the alkoxy groups. 22-7 (Physical Organic Chemistry) Elimination reaction Elimination reaction kinetics (from intermediate trifluoroacetate) Silanes

TT

RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

(hydride donors; exptl. and model DFT studies of the carbocation-mediated trifluoroacetylation and ionic

hydrogenation of anti-(2-(3-alkoxythienyl))di(1-adamantyl)methanols) REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS

L30 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:528885 CAPLUS Full-text<<LOGINID::20071126>>

DOCUMENT NUMBER: 122:317076 TITLE:

Fluororubber sealing compositions and method of their application

INVENTOR(S): Kaneko, Takeo; Myake, Haruhisa PATENT ASSIGNEE(S): Asahi Glass Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp. CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07034060 PRIORITY APPLN. INFO.:	A	19950203	JP 1993-201197 JP 1993-201197	19930721

ED

Entered STN: 06 May 1995 AB Title compns., developing high adhesive strength to metals without primers, comprise (A) fluororubbers containing units derived from vinvlidene fluoride. for example, propylene-tetrafluoroethylene-vinylidene fluoride copolymer (I), hexafluoropropylene-vinylidene fluoride copolymer, or hexafluoropropylenetetrafluoroethylene-vinylidene fluoride copolymer, (B) amino-containing silane coupling agents, (C) solvents, (D) vulcanization agents, and optionally (E) ≥1 compound selected from titanate esters, organotin carboxylate esters, and Al alkoxides, and (F) silicate esters. A substrate is coated with the composition, placed on another substrate, and heated. Thus, a composition of I 100, MT carbon black 30, Kyowamag 150 3, Calvit 6, bisphenol AF 2, tetrabutylammonium hydrogen sulfate 1, N-(β -aminoethyl)- γ aminopropyltrimethoxysilane 3, and BuOAc 400 parts was applied to a stainless steel sheet to 0.5 mm thickness, the coated sheet was placed in contact with another stainless steel sheet, dried at room temperature for 1 h, and heated

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Jennifer Cho 10/580,787
     at 170° for 10 min to develop strong adhesion (cohesive failure of the
     elastomer layer).
     ICM C09K003-10
    ICS C08K005-54; C08L027-16
    42-11 (Coatings, Inks, and Related Products)
CC
    Section cross-reference(s): 39
    fluororubber aminosilane coupling agent sealant; silicate ester
    fluororubber aminosilane sealant; titanate ester fluororubber
    aminosilane sealant
    Silanes
     RL: MOA (Modifier or additive use); USES (Uses)
        (amino-containing, coupling agents; in fluororubber
        sealing compns. with good adhesion to metals)
     Sealing compositions
        (fluororubber compns. containing aminesilanes with good adhesion
       to metals)
    Carbozylic acids, uses
     RL: MOA (Modifier or additive use); USES (Uses)
        (organotin esters; in fluororubber sealing compns. with good
       adhesion to metals)
    Coupling agents
       (silanes, amino-containing; in fluororubber sealing compns. with
        good adhesion to metals)
     Rubber, synthetic
     RL: TEM (Technical or engineered material use); USES (Uses)
        (fluoro, vinylidene fluoride-containing; containing aminosilanes for
        sealants with good adhesion to metals)
    Rubber, synthetic
     RL: TEM (Technical or engineered material use); USES (Uses)
        (hexafluoropropene-tetrafluoroethylene-vinylidene fluoride, containing
       aminosilanes for sealants with good adhesion to metals)
     Rubber, synthetic
     RL: TEM (Technical or engineered material use); USES (Uses)
        (hexafluoropropene-vinylidene fluoride, containing aminosilanes
        for sealants with good adhesion to metals)
     Rubber, synthetic
     RL: TEM (Technical or engineered material use); USES (Uses)
        (propene-tetrafluoroethylene-vinylidene fluoride, containing
        aminosilanes for sealants with good adhesion to metals)
     9011-17-0, Hexafluoropropylene-vinylidene fluoride copolymer 25190-89-0,
     Hexafluoropropylene-tetrafluoroethylene-vinylidene fluoride copolymer
     54675-89-7, Propylene-tetrafluoroethylene-vinylidene fluoride copolymer
     RL: TEM (Technical or engineered material use); USES (Uses)
        (elastomer; containing aminosilanes for sealants with good
        adhesion to metals)
    78-10-4, Tetraethyl orthosilicate
                                       1343-98-2D, Silicic acid, esters
     1760-24-3, N-(\beta-Aminoethyl)-\gamma-
     aminopropyltrimethoxysilane 5593-70-4, Tetrabutyl titanate
     7429-90-5D, Aluminum, alkoxides 20338-08-3D, Titanic acid, esters
     RL: MOA (Modifier or additive use); USES (Uses)
        (in fluororubber sealing compns. with good adhesion to metals)
                        1985:47470 CAPLUS Full-text<<LOGINID::20071126>>
```

L30 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: DOCUMENT NUMBER: 102:47470 TITLE: Coating having low reflectance PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp. CODEN: JKXXAF

DOCUMENT TYPE: Patent

IC

ST

тт

TT

LANGUAGE .

Japanese

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

APPLICATION NO. PATENT NO. KIND DATE DATE A 19840704 JP 1982-225787 JP 59115840 JP 03030492 19821224 В 19910430 PRIORITY APPLN. INFO.: JP 1982-225787

ED Entered STN: 09 Feb 1985

AB A coating of silane compound or transparent resin, having a refractive index of same or higher level compared to a transparent substrate, is formed on the substrate and a coating composed of polyfluoro group-containing compound is applied on top to give a multilayer coating. The surface reflectance of glass and plastic substrate can be decreased and hence the coating is useful for doors, windows, and optical lenses. Thus, Rf(CH2)2Si(OMe)3 (I: Rf = CnF2n+1, n = 6, 8, 10, 12 mixture, average 9.0; prepared from RfCH:CH2, HSiCl3 and MeOH) was dissolved in Fronsolve R-113 and Me2CO. Glass plate was first soaked in a solution containing the reaction product of 3-(qlycidyloxy)propyltriethoxysilane and H2N(CH2)2NH(CH2)3Si(OMe)3, dried, and then soaked in the I solution, and cured. The coating had good hardness and

low reflectance.

- IC B32B017-10; B32B027-00
- ICA B32B027-30
- CC 42-10 (Coatings, Inks, and Related Products)
- Section cross-reference(s): 57
- nonreflective coating fluoroalkylsilane; silane fluoro compd coating; epoxysilane adduct nonreflective coating; aminosilane adduct nonreflective coating; glass plate nonreflective coating; plastic substrate nonreflective coating
- TT Optical materials

(antireflective films, multilayer, containing fluoroalkyisilanes, for transparent substrates)

67-56-1D, reaction products trichlorosilane and ethylene perfluoroalkyl derivs. 74-85-1D, perfluoroalkyl derivs., reaction products with trichlorosilane and methanol 79-41-4D, perfluoroalkylethyl esters, polymers with glycidyl methacrylate 106-91-2D, polymers with perfluoroalkylethyl methacrylates 307-34-6 692-50-2 919-30-2D, reaction products with iso-Pr perfluoroalkanecarboxylates 1760-24-3D, reaction products with glycidyloxytriethoxysilane 2530-87-2 2602-34-8D, reaction products with trimethoxysilvlpropylethylenediamine 2768-02-7 3089-11-0D, fluoro derivs. 3388-04-3 10025-78-2D, reaction products with methanol and ethylene perfluoroalkyl derivs. 21652-58-4 24801-88-5 25068-38-6 74328-56-6 80941-13-5 88553-97-3 94403-04-0 94403-06-2D, reaction products with fluoroalkyltrichlorosilanes

RL: USES (Uses)

(coatings containing, antireflective, for transparent substrates) 919-30-2

RL: RCT (Reactant); RACT (Reactant or reagent) (reaction of, with perfluoro esters)

=> fil caplus

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FILE LAST UPDATED: 25 Nov 2007 (20071125/ED)
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http://www.cas.org/infopolicy.html

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           158 SEA FILE=CAPLUS ABB=ON PLU=ON VIDAL T?/AU
L1
L2
             47 SEA FILE=CAPLUS ABB=ON PLU=ON SAINT JALMES L?/AU
L3
             71 SEA FILE=CAPLUS ABB=ON PLU=ON ROQUES N?/AU
            267 SEA FILE=CAPLUS ABB=ON PLU=ON (L1 OR L2 OR L3)
L4
          18085 SEA FILE=CAPLUS ABB=ON PLU=ON SILANES/CT
L5
           351 SEA FILE=CAPLUS ABB=ON PLU=ON L5 (L) (FLUOROALKYL?/OBI OR
L6
                FLUORO/OBI(2A) ALKYL?/OBI OR AMINOFLUOROALKYL?/OBI)
L7
            276 SEA FILE=CAPLUS ABB=ON PLU=ON FLUOROALKYLSILAN?/OBI
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            544 SEA FILE=CAPLUS ABB=ON PLU=ON L6 OR L7
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L9
T.10
       1056555 SEA FILE=CAPLUS ABB=ON PLU=ON AMINO?/OBI
           3 SEA FILE=CAPLUS ABB=ON PLU=ON L8 AND L9 AND L10 1066 SEA FILE=CAPLUS ABB=ON PLU=ON L5 (L) ?FLUORO?/BI
L12
L15
         18536 SEA FILE=CAPLUS ABB=ON PLU=ON ELIMINATION REACTION/OBI
L16
              4 SEA FILE=CAPLUS ABB=ON PLU=ON L15 AND L12
L17
              6 SEA FILE=CAPLUS ABB=ON PLU=ON L16 OR L11
       159209 SEA FILE=CAPLUS ABB=ON PLU=ON CARBOXYLIC ACID#/OBI
L18
         32698 SEA FILE=CAPLUS ABB=ON PLU=ON L18 (L) ESTER#/OBI
L19
             16 SEA FILE=CAPLUS ABB=ON PLU=ON L19 AND L12 3 SEA FILE=CAPLUS ABB=ON PLU=ON L20 AND L10
L20
L21
L22
             1 SEA FILE=CAPLUS ABB=ON PLU=ON L20 AND L15
L23
             8 SEA FILE=CAPLUS ABB=ON PLU=ON L21 OR L22 OR L17
L24
             4 SEA FILE=CAPLUS ABB=ON PLU=ON L4 AND L5
L25
             1 SEA FILE=CAPLUS ABB=ON PLU=ON L24 AND L7
L26
             4 SEA FILE=CAPLUS ABB=ON PLU=ON (L24 OR L25)
L27
             3 SEA FILE=CAPLUS ABB=ON PLU=ON L26 NOT L23
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=> d .ca 127 1-3

L27 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:515327 CAPLUS Fbll-text<CLOGINID::20071126>>
DOCUMENT NUMBER: 141:53963
1141:53963
Allyl esters substituted by a difluoromethylene group, their synthesis process, and their use
INVENTOR(S): Saint, Jalmes Laurent; Roques,
Nicolas; Bernard, Jean Marie
PATENT ASSIGNEE(S): Rhodia Chimie, Fr.; Rhone Poulenc Chimie
Fr. Demande, 31 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent LANGUAGE: French FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE ----______ FR 2849025 A1 20040625 FR 2002-16308 FR 2849025 B1 20051014 WO 2004065347 A1 20040805 WO 2003-FR3780 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG A1 20040813 AU 2003-299334 20031217 AU 2003299334 EP 1631539 A1 20060308 EP 2003-799615 20031217 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 141:53963

ED Entered STN: 25 Jun 2004

Trans-RfR1C:CR2CH2OR3 (Rf = group having a difluoromethylene group that bonds AB with the rest of the mol., R1, R2 = H, alkyl, or aryl, R3 = electron attracting group such that ROH is an acid with pKa ≥8) (I), useful for preparation of N-containing heterocycles, are manufactured by contacting RfR1CHCXR2CH2OR3 (Rf, R1-3 = same as in I, X = halo) with a strong N base of which the associated acid has pKa ≥12 or a N-free anionic base in polar solvents. Thus, contacting CF3CH2CHC1CH2OAc with 1 equivalent diazabicycloundecene 17 h at 0° in diisopropyl ether gave 83.22% CF3CH:CHCH2OAc.

ICM C07C069-533

ICS C07D207-08; C07D261-02

23-17 (Aliphatic Compounds) CC

Section cross-reference(s): 27, 28

Silanes

RL: RGT (Reagent); RACT (Reactant or reagent)

(amino, dehydrohalogenation agent; preparation of allyl esters substituted by difluoromethylene groups by dehydrohalogenation for preparation

nitrogen-containing heterocycles)

REFERENCE COUNT: 3.4 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:313054 CAPLUS Full-text<<LOGINID::20071126>>

DOCUMENT NUMBER: 139:117470

TITLE: Non-defluorinative electrochemical silvlation of ethyl

trifluoroacetate: a practical synthesis of trifluoroacetyltrimethylsilane via its

ethyltrimethylsilyl ketal

AUTHOR(S): Bordeau, Michel; Clavel, Philipe; Barba, Alic;

Berlande, Muriel; Biran, Claude; Roques,

Nicolas

CORPORATE SOURCE: Laboratoire de Chimie Organique et Organometallique (UMR 5802 CNRS), Universite Bordeaux 1, Talence,

F-33405, Fr.

SOURCE: Tetrahedron Letters (2003), 44(19), 3741-3744

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:117470
ED Entered SIN: 24 Apr 2003

AB An efficient method for the preparation of original

trifluoroacetyltrimethylsilane CF3COSIMe3 in two steps from readily available Et trifluoroacetate is described. Electrochem. reduction of Et trifluoroacetate using a sacrificial anode and performed on a semimolar scale in the presence of excess chlorotrimethylsilane afforded the unprecedented corresponding ketal CF3C(SiMe3) (OSIMe3) OSI in 30-56% isolated yield. Treated with concentrated sulfuric acid at room temperature, the ketal directly led to pure CF3COSIMe3 in 86% yield.

CC 29-6 (Organometallic and Organometalloidal Compounds)

Section cross-reference(s): 72

IT Silanes

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of trifluoroacetyltrimethylsilane via electrochem. silylation of ethyltrifluoroacetate with chlorotrimethylsilane)

REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:566057 CAPLUS <u>Full-text</u><<LOGINID::20071126>>

DOCUMENT NUMBER: 131:185088

TITLE: Preparation of silyl fluorine-containing sulfinates and sulfonates

and surronaces

INVENTOR(S): Roques, Nicolas; Forat, Gerard

PATENT ASSIGNEE(S): Rhodia Chimie, Fr.

SOURCE: PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA:	TENT	NO.			KIN	D	DATE			APPL	ICAT	ION :	NO.		D2	ATE	
						_											
WO	9943	687			A1		1999	0902		WO 1	999-	FR41	5		1	9990:	224
	W:	AL,	AM,	ΑT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CU,	CZ,	DE,
		DK,	EE,	ES,	FΙ,	GB,	GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,
		KE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,
		MW,	MX,	NO,	NZ,	PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,
		TR,	TT,	UA,	UG,	US,	UZ,	VN,	YU,	ZW,	AM,	AZ,	BY,	KG,	KZ,	MD,	RU,
		TJ,	TM														
	RW:	GH,	GM,	KE,	LS,	MW,	SD,	SZ,	UG,	ZW,	AT,	BE,	CH,	CY,	DE,	DK,	ES,
		FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	BJ,	CF,	CG,	CI,
		CM,	GA,	GN,	GW,	ML,	MR,	NE,	SN,	TD,	TG						

FR 2775478	A1	19990903	FR 1998-2437		19980227
FR 2775478	В1	20000519			
AU 9925265	A	19990915	AU 1999-25265		19990224
EP 1056753	A1	20001206	EP 1999-904945		19990224
R: AT, BE, CH,	DE,	DK, ES, FR,	GB, GR, IT, LI, LU, NL	, S	E, MC, PT,
IE, FI					
JP 2002504557	T	20020212	JP 2000-533439		19990224
ZA 9901521	A	20000825	ZA 1999-1521		19990225
PRIORITY APPLN. INFO.:			FR 1998-2437	Α	19980227
			WO 1999-FR415	W	19990224
OTHER SOURCE(S):	CASI	REACT 131:185	5088; MARPAT 131:185088		

ED Entered STN: 08 Sep 1999

- The invention concerns a low-cost silvlation method for RfS(O)mOH in which m = 1 or 2, Rf represents a radical of formula -(CX2)p-GEA in which the symbols X, identical or different, represent a F atom or a radical CnF2n+1 with n ≤ 5 preferably ≤2; p ≤2; and the symbol GEA represents an electroattractive group, characterized in that the silylation agent is a derivative SiR4 with R representing a C1-C6 saturated alkyl and said silylation agent reacts with RfS(O)mOH in the presence of at least SiR2HY with R as defined above and Y representing a halogen atom. For example, 1.1 mol Me4Si (containing 3.18% 2methylbutane, 1.39% Me2HSiCl and 2.4% MeHSiCl2) was added dropwise to 1 mol triflic acid at 0-5° over 3 h; distillation gave 63.5% CF3SO3SiMe3 with 99.9% purity.
- TC ICM C07F007-08
- CC 29-6 (Organometallic and Organometalloidal Compounds)
- ΙT

AB

- RL: MSC (Miscellaneous)
- (halosilanes; preparation of trialkylsilyl sulfinates and sulfonates in presence of impurities of)
- Silanes
 - RL: RCT (Reactant); RACT (Reactant or reagent)
- (tetraalkyl; for preparation of trialkylsilyl sulfinates and sulfonates) REFERENCE COUNT: THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS 4 RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

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